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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/601,152

06/20/2003

Jerral A. Long

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08/22/2006

DELPHI TECHNOLOGIES, INC.

M/C 480-410-202

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TROY, MI 48007

EXAMINER

ZHENG, EVA Y

ART UNIT

PAPER NUMBER

2611

DATE MAILED: 08/22/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)	
	10/601,152	LONG ET AL.	
	Examiner	Art Unit	
	Eva Yi Zheng	2611	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 20 June 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-18 are rejected under 35 U.S.C. 102(b) as being unpatentable by Okamoto (EP 1,049,277), Applicant Admitted Prior Art (AAPA).

a) Regarding to claim 1, Okamoto disclose an RF receiver comprising:

an input for receiving an RF signal containing a stream of broadcast data, said stream of broadcast data including primary data and regional data, wherein the primary data is intended to be distributed over a broadcast area and the regional data is specific to a select geographic region of the broadcast area (as shown in Fig. 1; plurality of broadcast programs and regional program; abstract and [0026]);

a device for selecting a user specific region (30 in Fig. 1; [0047]);

a decoder for acquiring the regional data from the stream of broadcast data (15 in Fig. 1);

a data processor for processing the regional data and the selected user specific region to obtain regional data designated for the selected user specific region (19 in Fig. 1; [0111]; and

an output for outputting the regional data pertaining to the selected user specific region (30 in Fig. 1; [0112]).

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b) Regarding to claim 10, Okamoto disclose a method of providing regional data from a stream of broadcast data to a user via an RF receiver, said method comprising the steps of:

receiving an RF signal containing a stream of broadcast data, said stream of broadcast data including primary data and regional data, wherein the primary data is intended to be distributed over a broadcast area and the regional data is specific to a select geographic region of the broadcast area (as shown in Fig. 1; plurality of broadcast programs and regional program; abstract and [0026]);

receiving a selection of a user specific region (30 in Fig. 1; [0047]);

acquiring the regional data from the stream of broadcast data (15 in Fig. 1);

processing the regional data and the selected user specific region to obtain regional data designated for the selected user specific region (19 in Fig. 1; [0111]); and

providing the regional data pertaining to the selected user specific region as an output (30 in Fig. 1; [0112]).

c) Regarding to claims 2 and 12, Okamoto disclose wherein the device for selecting the user specific region comprises a user interface input (31 in Fig. 1; [0047]).

d) Regarding to claims 3 and 11, Okamoto disclose wherein the RF broadcast data comprises digital data (13 in Fig. 1).

e) Regarding to claims 4, 16 and 17, Okamoto disclose wherein the RF receiver comprises digital radio receiver (Digital Audio Broadcast as shown in Fig. 1).

f) Regarding to claims 5 and 18, Okamoto disclose wherein the receiver is employed on a vehicle ([0006]).

- g) Regarding to claims 6 and 13, Okamoto disclose wherein the data processor processes a block of regional data having a region identifier and compares the selected user specific region to the region identifier to determine if the block of regional data pertains to the selected user specific region ([0080-0088]).
- h) Regarding to claims 7 and 14, Okamoto disclose wherein the data processor performs a de-interleaving routine to compile regional data pertaining to the selected user specific region ([0080-0088]).
- i) Regarding to claim 8, Okamoto disclose wherein the deinterleaving routine compiles regional data from a plurality of blocks of regional data within the stream of broadcast data (as shown in Fig. 8A).
- j) Regarding to claim 9, Okamoto disclose wherein the input comprise an antenna (11 in Fig. 1).
- k) Regarding to claim 15, Okamoto disclose wherein the step of compiling comprises acquiring a plurality of blocks of regional data and concatenating the plurality of blocks of regional data to form a regional data message (as shown in Fig. 8A-8F).

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eva Y Zheng whose telephone number is 571-272-3049. The examiner can normally be reached on M-F, 7:30 AM to 5:00 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chieh Fan can be reached on 571-272-3042. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Eva Yi Zheng  
Examiner  
Art Unit 2611

August 16, 2006

  
CHIEH M. FAN  
ADVISORY PATENT EXAMINER